

UNIVERSITY OF FORT HARE

NBC 122E

DEGREE EXAMINATIONS

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TIME: 3 HOURS

SUBJECT: COMMUNITY NURSING SCIENCE

MARKS: 100

This paper consists of 7 pages including cover page

EXAMINERS:

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INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

QUESTION 1

1.1 The municipality report from the daily dispatch confirmed that village X has high statistics of people suffering from asthma and skin diseases due to coal industries emanating smoke to the nearby community.

- 1.1.1 Identify type of pollution mentioned in the scenario. (1)
- 1.1.2 Describe causes of the above mentioned type of pollution (2)
- 1.1.3 Define Environmental health (2)
- 1.1.4 Discuss primary prevention of the above mentioned pollution (5)

1.2 State if the following statements are **True or False** write only the number and the answer e.g. 1.1.1 True

- 1.2.1 Chemicals used in agriculture such as fertilizers, insecticides and pesticides may be present in water leading to air pollution. 1
- 1.2.2 Lead pipes used for water reticulation systems should be replaced as soft water flowing in lead pipes causes pollution of air by lead. 1
- 1.2.3 Industrial dust including cement and silica causes air pollution. 1
- 1.2.4 Iron dust and iron oxide fumes are emitted into the air leading to water pollution. 1
- 1.2.5 Typhoid fever, amoebic dysentery, cholera and infective hepatitis is caused by water pollution. 1
- 1.2.6 The minerals that have been leached from the earth when the pure rain-water flows over leading to air pollution. 1
- 1.2.7 Silt is the sediment deposited by moving water causing air pollution. 1
- 1.2.8 Seepage into an underground water supply from a pit privy or septic tank causes cholera 1
- 1.2.9 The most important polluters of the environment are coal stoves and open fire places leading to air pollution 1
- 1.2.10 Mechanically operated furnaces do not emit black smoke but add grit and ash to the air causing water pollution 1

(1x10=10)

1.3 Describe the Environment Conservation Act 73 of 1989 under the following:

Section 20 – Waste Management (2)

1.4 Describe the Advantages and Disadvantages of Television (3)

[25 MARKS]

QUESTION 2

2.1 Mr X, who is 35 years old, visited your clinic complaining of penile discharge, dysuria and frequent micturition. On assessment you also established that this patient has multiple partners and does not practice safe sex. Intervene and manage this patient.

2.1.1 Identify people who are at risk of contracting and spreading STIs (2)

2.1.2. Describe general measures to be followed on management of STIs (3)

2.1.3 Discuss strategies to be employed to improve the quality of STIs services under the following heading: Make services accessible and user friendly (5)

2.2 Match the type of Sexually Transmitted Infection in **Column A** with the causative micro-organism in **Column B**. Write only the **NUMBER** and **ALPHABET** e.g. 1.2. A.

A		B
2.2.1 Gonorrhoea	1	A. Phthirus pubis
2.2.2 Candida infections(thrush)	1	B. Haemophilus ducrey
2.2.3 Trichomoniasis	1	C. Herpes simplex virus
2.2.4 Genital warts	1	D. Trichomonas vaginalis
2.2.5 Bacterial vaginosis	1	E. Candida albicans
2.2.6 Hepatitis	1	F. Staphylococcus
2.2.7 Syphilis	1	G. Treponema pallidum
2.2.8 Pediculosis	1	H. Gardnerella vaginalis
2.2.9 Genital herpes	1	I. Human papillomavirus
2.2.10 Chancroid	1	J. Neisseria gonorrhoea
		K. Chlamydia trachomatis
(1x10=10)		L. Hepatitis A+B

2.3 Describe the role of mass media on health promotion (5)
[25 MARKS]

QUESTION 3

3.1 During your allocation at Postdam clinic, you observed that numerous mothers brought their children complaining of loose stools and vomiting. The age range of these children is between 4-12 years. This raises your concerns, because the community use water from the river for cooking and drinking, and there are no toilets in the area.

3.1.1 List the activities that are important in the prevention and control of communicable diseases. (5)

3.2 Fill in the missing word write only the missing word next to the number

e.g. 1.2 Streptococcal

3.2.1.is the causative organism of typhoid fever (1)

3.2.2..... is the causative organism of bacillary dysentery (1)

3.2.3..... stools associated with cholera (1)

3.2.4..... stools associated with typhoid fever (1)

3.2.5.....is the causative organism of bilharzia. (1)

(1x5=5)

3.3 Describe signs and symptoms of measles (5)

3.4 Match the following Definitions from column A with the Terms in column B write only the number and the alphabet in Column B eg.1.1 B

COLUMN A	COLUMN B
3.4.1 A person who has been in contact with an infected person or animal or exposed to a contaminated object or infected agent. 1	A. Carrier B. Host
3.4.2 The period of time patients has to be isolated in order to make certain that they have not become infected. Is usually a day or two longer than the incubation period of the given disease. 1	C. Quarantine D. Contact E. Incidence
3.4.3 A person or animal that hosts a specific infective agent while not showing any clinical manifestation of the disease but who spreads the disease. 1	F. Prevalence G. Life expectancy
3.4.4 A group of infectious diseases caused by specific micro-organisms, which are readily transmissible from an infected person to a susceptible host. 1	H. Incubation period I. Agent
3.4.5 An endemic disease is one that is constantly present in a defined geographic area. 1	J. Communicable disease K. Endemic
3.4.6 This is the length of time for which sufferers from an infectious disease must kept away from contact with other people, or must be isolated, in order that they may not infect others.it varies with different diseases. 1	L. Isolation period
3.4.7 A causative organism, such as its virulence or toxin production. 1	
3.4.8 The total number of people affected by a particular condition at a specified point in time. 1	
3.4.9 Reflects the number of new cases of a particular condition identified during a specified period of time. 1	
3.4.10 The average number of years an individual who has attained a certain age can still expect to live. 1	(1x10=10)

[25 MARKS]

QUESTION 4

Mrs Kere a 40 years old, stays with her husband and two teenage girls aged 13 and 15 years. This family stays in a shack at St Lukes village. Mrs Kere has visited your clinic presenting with a history of repeated assault by her husband. The teenagers at school are reported by the principal to be exhibiting odd behaviour.

4.1 Define the following terms:

4.1.1 Violence (1)

4.1.2 Collective violence (½)

4.1.3 Incest (½)

4.1.4 Intimate partner violence (1)

4.2 Identify risk factors related to collective violence under social factors (2)

4.3 Describe the factors associated with intimate partner violence (5)

4.4 State the **Type of Abuse** on each of the following signs of abuse. Write only the number and the answer e.g. 1.1 **Physical abuse**.

4.4.1 Repeated beating of the complainant suffers with bruises and scars (1)

4.4.2 With drawn from family and society (1)

4.4.3 Repeatedly following the complainant (1)

4.4.4 Willful destruction of the property belonging to the complainant by
the respondent (1)

4.4.5 Repeated insults or name calling (1)

4.4.6 Speaking the threat or causing a complainant to receive the threat. (1)

4.4.7 Repeated threats to cause emotional pain (1)

4.4.8 Torn blood-stained underwear (1)

4.4.9 Unreasonably depriving a complainant of household necessities e.g.
payment of rent if the parties are living together. (1)

4.4.10 Makes a complainant feel afraid of being harmed by repeatedly watching
or loitering outside or near the building where the complainant lives or work. (1)
(1X10=10)

4.5 Describe reasons why women may be unable to leave their abusive partners (5)

[25 MARKS]

QUESTION 5

It is winter and Traditional leaders are planning for the initiation schools in Lusikisiki village. Most of the villagers are very excited about the event. Mrs Z is a Pastor in the township and her children stay with the in-laws in the same village. It came to her knowledge that her son who is 19 years is a candidate this year for the circumcision. She phones the brother in-law that her son should not be taken as she is going to take him to the hospital for circumcision. The father in-law states that all his grandsons must go to the traditional school.

5.1 Describe cultural practices in Southern Africa according to the following:

5.1.1 Initiations (2)

5.1.2 Marriages (3)

5.2 Explain the role of traditional leaders in circumcision. (5)

5.3 Describe the psychological effects to the initiates due to complications that were encountered during circumcision. (5)

5.4 Match the Definitions in column A with the Terms in column B. Write the number and the Term e.g. 3. 1.1.1. Incest

A	DEFINITIONS	B	TERMS
5.4.1	The shared values, practices and belief that guide thinking and action amongst a particular group of people. 1		Cultural imposition Cultural conflict
5.4.2	A general direction in which culture develops or changes. 1		Cultural shock
5.4.3	Integrated of knowledge, attitudes and skills to enhance cross-cultural interactions between people of different cultures. 1		Vegans Covert
5.4.4	Direct engagement in cross-cultural interactions with people of different cultures. 1		Cultural trend Stereotyping
5.4.5	Not openly displayed or acknowledge. 1		Cultural competence
5.4.6	People who do not eat any animal products. 1		Cultural encounter
5.4.7	Wanting to be more knowledgeable about other cultures. 1		Culture desire
5.4.8	Forcing your cultural beliefs and values on people of other cultures. 1		Culture
5.4.9	Perceiving a threat because you are unable to deal with cultural practices different from your own. 1		
5.4.10	Experience a feeling of helpless and disorientation when confronted with a very different culture. 1		(1X10=10)

[25 MARKS]